MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1951

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

DECEMBER 1951
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	22:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61 2	60.1	59.6	60.3	20.7	13.4	17.3	19.4	16.0	17.6
2	60.7	61.7	62.4	61.6	15.8	12.3	15.5	17.3	13.9	15.8
3	64.8	64.9	65.9	65.2	18.4	13.0	15.6	17.2	15.3	16.0
4	67.3	66.3	67.3	67.0	17.9	12.9	16.7	16.4	15.6	16.2
5	66.5	65.4	65.9	65.9	18.3	13.5	14.4	17.2	15.6	15.7
6	64.7	62.5	63.3	63.5	19.0	14.6	15.6	18.6	15.9	16.7
7	64.2	64.3	65.3	64.6	20.0	14.4	18.9	20.5	16.7	18.7
8	67.0	66.3	67.3	66.9	19.0	12.2	16.9	17.2	15.6	16.6
9	67.4	65.8	65.8	66.3	18.1	15.0	16.2	17.8	15.6	16.5
10	66.0	63.9	63.8	64.6	19.2	14.4	17.2	16.1	16.1	16.5
11	64.0	63.0	63.5	63.5	19.2	14.4	15.9	18.1	15.8	16.6
12	62.6	60.0	58.7	60.4	19.8	15.0	16.7	18.3	15.4	16.8
13	56.3	54.8	55.7	55.6	18.5	7.9	17.8	16.7	15.0	16.5
14	56.3	56.8	57.5	56.9	18.5	7.9	12.1	11.3	10.1	11.2
15	56.4	52.0	52.8	53.7	13.6	6.9	12.2	10.7	9.2	10.7
16	60.5	61.6	62.6	61.6	12.4	7.9	11.7	11.6	11.1	11.5
17	63.1	61.8	58.8	61.2	14.7	10.1	12.2	13.4	12.8	12.8
18	54.7	54.8	56.0	55.2	12.2	5.4	11.8	9.3	9.0	10.0
19	59.5	59.6	60.9	60.0	12.2	6.6	7.3	11.1	10.1	9.5
20	62.0	60.8	61.4	61.4	13.0	7.3	9.4	12.8	10.6	10.9
21	60.0	60.7	61.7	60.8	14.2	7.6	11.1	12.3	10.9	11.4
22	62.4	62.4	62.0	62.3	14.4	7.3	11.6	12.9	11.1	11.9
23	60.1	60.0	60.7	60.3	14.6	7.4	10.9	12.8	11.2	11.6
24	64.8	66.4	66.9	66.0	14.8	7.6	11.3	13.3	11.8	12.1
25	67.7	68.5	69.5	68.6	15.0	7.7	11.7	13.8	11.7	12.4
26	67.7	66.8	67.5	67.3	19.8	11.3	13.3	20.0	10.6	14.6
27	65.1	63.9	64.0	64.3	16.0	10.5	13.9	15.9	12.8	14.2
28	62.9	60.6	60.1	61.0	16.0	11.7	12.7	15.6	15.9	14.7
29	61.1	62.3	64.4	62.6	16.4	11.1	14.4	16.1	12.8	14.4
30	66.5	65.4	65.4	65.8	16.6	11.2	15.6	16 2	13.4	15.0
31	64.8	62 1	62.3	63.1	16.2	12.1	15.0	16.3	15.7	15.7
	62.84	62.11	62.54	62.50	16.91	10.66	13.96	15.36	13.33	14.21

Barometer, range for month 769.5 mm. — 752.0 mm.
„ 71-yr. average for month 763.23 mm.
Thermometer, range for month 20.7°C — 5.4°C
„ 71-yr. average for month 15.99°C
Rain total for month 279.67 mm.
„ 71-yrs average for month 185.45 mm.
„ Total, Sept. 1st. to end of month 691.07 mm.
„ 71-yrs. average. Sept. 1st. to end of month 374.27mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.7	14.6	14.1	14.1	69	64	76	70			
2	14.0	18.0	11.9	14.6	79	93	75	82			5.33
3	12.5	19.1	12.5	14.7	72	97	70	80			1.52
4	15.7	15.7	15.6	15.7	83	82	88	84			14.99
5	15.4	14.2	12.5	14.0	94	72	72	79			11.94
6	13.0	13.9	13.6	13.5	74	66	73	71			
7	11.4	13.7	12.6	12.6	53	56	67	59			
8	13.1	10.2	13.0	12.0	70	51	74	65			
9	16.2	12.8	13.0	14.0	89	63	74	75			
10	14.7	17.2	13.1	15.0	76	94	70	80			
11	15.0	16.0	13.0	14.7	85	76	74	78			4.32
12	11.6	14.4	14.5	13.5	60	68	85	71			
13	13.8	19.0	10.1	14.3	69	99	59	76			21.02
14	12.3	5.0	9.6	8.9	88	39	80	69			9.14
15	8.7	11.4	10.5	10.2	61	90	88	80			9.22
16	6.6	5.4	7.9	6.6	46	42	60	49			2.29
17	10.5	9.6	11.9	10.7	74	63	80	72			10.67
18	13.7	11.0	11.0	11.9	99	94	97	97			86.11
19	9.4	7.9	8.8	8.7	91	60	72	74			34.04
20	9.2	10.1	9.2	9.5	78	69	72	73			3.30
21	9.6	11.0	10.9	10.5	73	76	82	77			25.91
22	9.6	10.1	11.4	10.4	70	69	86	75			10.16
23	11.4	11.9	12.3	11.9	87	80	91	86			
24	10.1	12.4	10.1	10.9	77	81	73	77			29.46
25	10.9	12.4	10.1	11.1	79	77	73	76			
26	9.6	14.7	10.5	11.6	63	62	82	69			
27	10.5	10.2	8.3	9.7	66	54	56	59			0.25
28	9.2	12.5	7.4	9.7	61	70	41	57			
29	10.6	13.1	10.1	11.3	64	65	68	66			
30	11.6	11.6	11.4	11.5	65	65	74	68			
31	13.0	11.6	12.5	12.4	76	65	70	70			
	11.82	12.60	11.40	11.94	73.9	71.0	74.2	73.0			9.02

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	4cu	10cu-ni	5cu	6.3	2sw	1s	1sw	light	
2	10cu-ni	10cu-ni	4cu	8.0	4sw	3sw	1sw	mod.	
3	2cu	8cu	3cu	4.3	1sw	2sw	1sw	light	
4	5cu	3cu	9cu	5.7	1sw	2sw	1sw	,,	
5	10cu-ni	5cu	0	5.0	2sw	1sw	1sw	,,	
6	0	0	0	0.0	1sw	3ne	1ne	light	
7	5cu-ni	5cu	7cu	5.7	1sw	1sw	1sw	,,	
8	6cu	10cu	2cu	6.0	1sw	3ne	2sw	,,	
9	0	0	0	0.0	1sw	1sw	1sw	calm	
10	8cu-ni	5cu-ni	10cu-ni	7.7	1sw	2sw	1sw	light	Traces., a. m.
11	8cu	8cu-ni	8cu	8.0	2sw	2sw	1sw	light	
12	1cu	9cu-ni	6cu	5.3	1sw	1sw	1sw	,,	Traces., p.m.
13	3cu	10ni	9cu	7.3	4sw	3sw	5sw	mod.	
14	6cu	9cu-ni	5cu	6.7	4sw	4sw	4sw	,,	
15	10cu	10cu-ni	10cu-ni	10.0	2sw	4sw	4sw	,,	
16	8cu	5cu	9cu	7.3	4sw	4nw	2sw	mod.	
17	8cu	9cu	8cu	8.3	2sw	2sw	3sw	slight	
18	10ni	10ni	10ni	10.0	3sw	1sw	4sw	mod.	
19	7cu	8cu	10ni	8.3	3sw	4sw	2sw	slight	
20	10cu	10cu	10ni	10.0	2sw	1sw	3sw	,,	
21	10cu	10cu	10ni	10.0	2sw	2sw	2sw	slight	
22	8cu	9cu	8cu	8.3	1sw	2sw	2sw	,,	
23	10ni	8cu-ni	8cu-ni	8.7	3sw	2sw	2sw	,,	
24	8cu	8cu	7cu	7.7	2sw	2sw	2sw	,,	
25	3cu	2cu	0	1.7	1sw	1sw	1sw	,,	
26	4ci	5ci	10ci	6.3	1sw	1sw	1sw	light	
27	6ci	0	0	2.0	2sw	1sw	2sw	,,	
28	0	0	0	0.0	1sw	2sw	3sw	,,	
29	10cu	10cu-st	0	6.7	1sw	1sw	2sw	,,	
30	2ci	0	0	0.7	1sw	2s	1sw	,,	
31	3cu-ci	0	0	1.0	1sw	1sw	1sw	,,	
				5.90					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	0	0	0	0	31	0	0	0	31
14:30	0	2	0	0	2	26	0	1	0	31
20:30	0	1	0	0	0	30	0	0	0	31
Total	0	3	0	0	2	87	0	1	0	93

Number of days with rain 17, fog 0, thunderstorms 0, gale 0.
71 yr. av. number of days with rain during month 13.4